

Fibreoptic microwave generation for bidirectional broadband mobile communications

R.-P. Braun, G. Grosskopf, R. Hentges, S. Loch, D. Rohde and F. Schmidt. "Fibreoptic microwave generation for bidirectional broadband mobile communications." 1997 MTT-S International Microwave Symposium Digest 1. (1997 Vol. 1 [MWSYM]): 225-228.

Bidirectional errorfree 140 Mbit/s OQPSK-signal transmission with optically generated microwaves in the 18-19 GHz-band is reported. Two microwave carriers one for the radio link to the mobile receiver (down link) and one for the uplink-microwave mixer in the base station are generated by a simple optical upconversion technique.

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